

8. (New) A method for promoting the growth and proliferation of osteoblasts said method comprising contacting said osteoblasts with an effective amount of a peptide consisting of the amino acid sequence of SEQ. ID. NO: 1, or a derivative thereof.

C2
Cont 9. (New) A method for the treatment of a disease or condition associated with bone density comprising administering to a patient an effective amount of at least one of the peptides of claim 6 in an amount effective to stimulate the growth of osteoblasts.

add E4 In The Abstract

Please replace the Abstract as shown below. A marked up version of the amended Abstract is attached to this Amendment.

C3
A method for identifying, with predetermined predictability and greater ease, new physiological peptides is disclosed. In one method of the present invention, amino acid sequences of receptors having one or more variants in size are identified, the receptors being receptive of an identical ligand and being products of the same gene, wherein there is a substance or cell present in vivo having a functional antagonism against the ligand for the receptor or against a cell which expresses the receptor of the ligand. The domain in the larger receptor that is missing from the smaller receptor is then identified as having physiological activity. The present invention also provides a method for producing the physiologically active peptides identified by the method described above.

REMARKS

In the Communication from the Examiner mailed August 16, 2000, the Examiner objected to the disclosure order 37 C.F.R. §1,171 as being incomprehensible. The examiner requested that a substitute specification in proper idiomatic English and in compliance of 37 C.F.R. §1.52 be filed along with a statement that the substitute specification

contains no new matter. In response, the Applicant has filed herewith a Substitute Specification and a Statement that the Substitute Specification contains no new matter.

Respectfully submitted,

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Attachment